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## **CLAIMS**

What is claimed is:

1. A composition comprising an isolated polynucleotide comprising a nucleotide sequence encoding a first polypeptide of at least 60 amino acids that has at least 95% identity based on the Clustal method of alignment when compared to a polypeptide selected from the group consisting of a polypeptide of SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:9, SEQ ID NO:12, SEQ ID NO:14, and SEQ ID NO:16,

or an isolated polynucleotide comprising the complement of the nucleotide sequence.

- 2. The composition of Claim 1, wherein the isolated nucleotide sequence consists of a nucleic acid sequence selected from the group consisting of SEQ ID NOs:1, 3, 5, 8, 11, 13, and 15 that codes for the polypeptide selected from the group consisting of SEQ ID NOs:2, 4, 6, 9, 12, 14, and 16.
- 3. The isolated nucleic acid fragment of Claim 1 wherein the nucleotide sequence of the fragment encodes a mature protein.
  - 4. The composition of Claim 1 wherein the isolated polynucleotide is DNA.
  - 5. The composition of Claim 1 wherein the isolated polynucleotide is RNA.
  - 6. A chimeric gene comprising the isolated polynucleotide of Claim 1 operably linked to suitable regulatory sequences.
    - 7. An isolated host cell comprising the chimeric gene of Claim 6.
  - 8. An isolated host cell comprising an isolated polynucleotide of Claim 1, Claim 3 or Claim 4.
  - 9. The isolated host cell of Claim 7 wherein the isolated host selected from the group consisting of yeast, insect, bacteria, plant, and virus.
    - 10. A virus comprising the isolated polynucleotide of Claim 1.
  - 11. A composition comprising a polypeptide of at least 60 amino acids that has at least 95% identity based on the Clustal method of alignment when compared to a polypeptide selected from the group consisting of a polypeptide of SEQ ID NOs:2, 4, 6, 9, 12, 14, and 16.
- 12. A method of selecting an isolated polynucleotide that affects the level of expression of a polypeptide in a plant cell, the method comprising the steps of:
  - (a) constructing an isolated polynucleotide comprising a nucleotide sequence of at least one of 30 contiguous nucleotides derived from the isolated polynucleotide of Claim 1;
  - (b) introducing the isolated polynucleotide into a plant cell;
  - (c) measuring the level of a polypeptide in the plant cell containing the polynucleotide; and

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- (d) comparing the level of polypeptide in the plant cell containing the isolated polynucleotide with the level of polypeptide in a plant cell that does not contain the isolated polynucleotide.
- 13. The method of Claim 12 wherein the isolated polynucleotide consists of a nucleotide sequence selected from the group consisting of SEQ ID NOs:1, 3, 5, 8, 11, 13, and 15 that codes for the polypeptide selected from the group consisting of SEQ ID NOs:2, 4, 6, 9, 12, 14, and 16.
- 14. A method of selecting an isolated polynucleotide that affects the level of expression of polypeptide in a plant cell, the method comprising the steps of:
  - (a) constructing an isolated polynucleotide of Claim 1;

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- (b) introducing the isolated polynucleotide into a plant cell;
- (c) measuring the level of polypeptide in the plant cell containing the polynucleotide; and
- (d) comparing the level of polypeptide in the plant cell containing the isolated polynucleotide with the level of polypeptide in a plant cell that does not contain the polynucleotide.
- 15.A method of obtaining a nucleic acid fragment encoding a polypeptide comprising the steps of:
  - (a) synthesizing an oligonucleotide primer comprising a nucleotide sequence of at least one of 30 contiguous nucleotides derived from a nucleotide sequence selected from the group consisting of SEQ ID NOs:1, 3, 5, 8, 11, 13, 15, and the complement of such nucleotide sequences; and
  - (b) amplifying a nucleic acid sequence using the oligonucleotide primer.
- 16. A method of obtaining a nucleic acid fragment encoding the amino acid sequence encoding a sodium channel agonist polypeptide comprising the steps of:
  - (a) probing a cDNA or genomic library with an isolated polynucleotide comprising a nucleotide sequence of at least one of 30 contiguous nucleotides of the isolated polynucleotide of Claim 1;
  - (b) identifying a DNA clone that hybridizes with the isolated polynucleotide;
  - (c) isolating the identified DNA clone; and
  - (d) sequencing the cDNA or genomic fragment that comprises the isolated DNA clone.
- 17. A recombinant baculovirus expression vector comprising an isolated polynucleotide of Claim 1.
- 18. An expression cassette comprising at least one nucleic acid of Claim 1 operably linked to a promoter.
  - 19. A method for positive selection of a transformed cell comprising:
    transforming a plant cell with the chimeric gene of claim 6 or the expression
    cassette of Claim 18; and

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growing the transformed plant cell under conditions allowing expression of the polynucleotide in an amount sufficient to induce insect resistance to provide a positive selection means.

20. The method of Claim 9 wherein the plant cell is a dicot cell.

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